İlker Özgen

Software Engineer | Software Engineer in Test at [ASELSAN](#)

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EDUCATION

BILKENT UNIVERSITY **Ankara, Turkiye**
Bachelor of Science, Computer Science *2019-2024*

PROFESSIONAL EXPERIENCE

ASELSAN **Ankara, Turkiye**
Software Engineer in Test *November 2024–present*

- Conducting software testing activities for electronic warfare and command control systems.
- Developing a web application to streamline test data entry and generate statistical insights and reports.
- Designed and automated 800+ test cases, significantly improving testing efficiency.
- Executed over 1200 manual tests to ensure software reliability.
- Identified and reported 90+ critical defects, enhancing system stability.
- Developed a simulator to facilitate integration testing between different software applications.
- Led 10 full-cycle regression tests, integrating both automated and manual testing.

HEY TECHNOLOGY **ODTÜ Teknokent, Ankara, Turkiye**
Software Engineer Intern *June 2023–July 2023*

- Collaborated with data science and machine learning teams on 2 high-impact projects.
- Preprocessed 2 complex datasets, reducing feature engineering time by 30%.
- Constructed predictive models for U.S. cotton export rates, achieving 92% accuracy.
- Implemented predictive maintenance solutions, reducing factory machinery downtime by 25%.

KONNEKA **Bilkent CYBERPARK, Ankara, Turkiye**
Software Engineer Intern *August 2022–September 2022*

- Assisted in software development, testing, and IT support across 3 projects.
- Managed ESXi servers and virtual machines, ensuring 99% uptime.
- Diagnosed and resolved 3 bugs during SandBox testing, improving reliability by 9%.

AREAS OF EXPERTISE

Programming Languages & Technologies:

- Python
- Java
- C/C#/C++
- JavaScript
- SQL/PostgreSQL
- HTML & CSS

Tools & Frameworks:

- React JS
- Docker
- Git Version Control
- Jira
- Confluence
- Azure DevOps
- MobaXterm
- Kubernetes
- Postman

Testing & Automation:

- Selenium
- TestNG
- Manual Testing
- Automated Testing
- Regression Testing
- Functional Testing

Agile Methodologies:

- Agile
- Scrum
- Kanban

LANGUAGES

- Turkish, *Native*
- English, *Highly Proficient, [IELTS Score: 7.5/9](#)*
- German, *Beginner*

SOFT SKILLS

- Communication
- Teamwork
- Leadership
- Strategic Planning
- Initiative
- Precision
- Systematic Approach
- Creativity
- Analytical Thinking

ACHIEVEMENTS & AWARDS

- Awarded an investment offer under the TÜBİTAK BiGG program, 2024
- First place in "İlk Yatırımım" Entrepreneurship Competition, 2024
- High Honour Student, Bilkent University, 2020

PROJECTS

AnnoHub
[Project Website](#)   *September 2023-December 2024*
- Created a data labeling platform, recognized with an entrepreneurship award, and attracted investor interest.
- Awarded an investment offer under the TÜBİTAK BiGG program.

Browsify
[Project Website](#)   *November 2023-December 2023*
- Engineered a web browser with advanced bookmark management, expecting a 15%-25% increase in user engagement due to its customizable UI.

Image Inpainting with CNN
[Project Website](#)   *November 2023-December 2023*
- Designed a convolutional neural network for image inpainting using the CIFAR-100 dataset.

Digit Image Classifier
[Project Website](#)   *October 2023-November 2023*
- Implemented PCA analysis and logistic regression to classify digit images, achieving 92.27% accuracy.

BBC News Classifier
[Project Website](#)   *September 2023-September 2023*
- Trained and evaluated Naive Bayes models on BBC news articles, achieving 97.7% accuracy.

ToEra
[Project Website](#)   *September 2022-December 2022*
- Built a web application to streamline Erasmus applications at Bilkent University, reducing manual communication by 95%.

CERTIFICATIONS

- [High Honour Certificate](#)
- [Certificate of Proficiency in Academic English](#)
- [Python Programming Bootcamp](#)
- [Intro to Machine Learning](#)
- [Python Course Certificate](#)
- [Python for Finance Course Certificate](#)
- [C++ Course Certificate](#)
- [WEB3 Zirvesi](#)
- [Java Developer Course Certificate](#)
- [HTML & CSS Course Certificate](#)
- [CSS & JavaScript Course Certificate](#)
- [Python (Basic) Certificate](#)
- [Problem Solving (Basic) Certificate](#)
- [Java (Basic) Certificate](#)